

Author index of Volume 103*

- Andersen, C.M., see Noor, A.K. (1-2) 175-186
- Argyris, J. and V.F. Poterasu, Large rotations revisited, application of Lie algebra (1-2) 11- 42
- Bialecki, R., R. Dallner and G. Kuhn, New application of hypersingular equations in the boundary element method (3) 399-416
- Bout, A., see van Keulen, F. (1-2) 315-343
- Bushnell, D., Optimization of composite, stiffened, imperfect panels under combined loads for service in the postbuckling regime (1-2) 43-114
- Cardona, A. and M. Géradin, Kinematic and dynamic analysis of mechanisms with cams (1-2) 115-134
- Chenot, J.-L., see Moal, A. (3) 417-434
- Dallner, R., see Bialecki, R. (3) 399-416
- De Borst, R., A generalisation of J_2 -flow theory for polar continua (3) 347-362
- Ernst, L.J., see Van Keulen, F. (1-2) 315-343
- Géradin, M., see Cardona, A. (1-2) 115-134
- Huang, Y., see Stein, E. (1-2) 247-272
- Krätzig, W.B., 'Best' transverse shearing and stretching shell theory for nonlinear finite element simulations (1-2) 135-160
- Kuhn, G., see Bialecki, R. (3) 399-416
- Massoni, E., see Moal, A. (3) 417-434
- Meijaard, J.P., Applications of the singular value decomposition in dynamics (1-2) 161-173
- Moal, A., E. Massoni and J.-L. Chenot, A finite element model for the simulation of the torsion and torsion-tension tests (3) 417-434
- Neale, K.W., see Van der Giessen, E. (1-2) 291-313
- Noor, A.K., C.M. Andersen and J.M. Peters, Reduced basis technique for nonlinear vibration analysis of composite panels (1-2) 175-186

* The issue number is given in front of the page numbers.

- Oden, J.T., see Safjan, A. (1-2) 187-230
- Parry, A.J., N.H. Woolley and Y.D. Tridimas, An economical algorithm for the Lagrangian prediction of particle suspension motion (3) 363-373
- Peters, J.M., see Noor, A.K. (1-2) 175-186
- Poterasu, V.F., see Argyris, J. (1-2) 11-42
- Safjan, A. and J.T. Oden, High-order Taylor-Galerkin and adaptive *h-p* methods for second-order hyperbolic systems: Application to elastodynamics (1-2) 187-230
- Schwab, A.L. and K. van der Werff, The use of computers in the design of discrete component systems (1-2) 231-246
- Stein, E., G. Zhang and Y. Huang, Modeling and computation of shakedown problems for nonlinear hardening materials (1-2) 247-272
- Talaslidis, D. and Wempner, G.A., The linear isoparametric triangular element: Theory and application (3) 375-397
- Tridimas, Y.D., see Parry, A.J. (3) 363-373
- Tvergaard, V., Necking in tensile bars with rectangular cross-section (1-2) 273-290
- Van der Giessen, E. and K.W. Neale, Analysis of the inverse Swift effect using a rate-sensitive polycrystal model (1-2) 291-313
- Van der Werff, K., see Schwab, A.L. (1-2) 231-246
- Van Keulen, F., A. Bout and L.J. Ernst, Nonlinear thin shell analysis using a curved triangular element (1-2) 315-343
- Wempner, G.A., see Talaslidis, D. (3) 375-397
- Woolley, N.H., see Parry, A.J. (3) 363-373
- Zhang, G., see Stein, E. (1-2) 247-272

Subject index of Volume 103*

Boundary element methods

- New application of hypersingular equations in the boundary element method, R. Bialecki, R. Dallner and G. Kuhn (3) 399-416

Coupled problems

- The use of computers in the design of discrete component systems, A.L. Schwab and K. van der Werff (1-2) 231-246
An economical algorithm for the Lagrangian prediction of particle suspension motion, A.J. Parry, N.H. Woolley and Y.D. Tridimas (3) 363-373
A finite element model for the simulation of the torsion and torsion-tension tests, A. Moal, E. Massoni and J.-L. Chenot (3) 417-434

Design of programs

- An economical algorithm for the Lagrangian prediction of particle suspension motion, A.J. Parry, N.H. Woolley and Y.D. Tridimas (3) 363-373

Dynamics

- Kinematic and dynamic analysis of mechanisms with cams, A. Cardona and M. Géradin (1-2) 115-134
Applications of the singular value decomposition in dynamics, J.P. Meijaard (1-2) 161-173
Reduced basis technique for nonlinear vibration analysis of composite panels, A.K. Noor, C.M. Andersen and J.M. Peters (1-2) 175-186
High-order Taylor-Galerkin and adaptive h - p methods for second-order hyperbolic systems: Application to elastodynamics, A. Safjan and J.T. Oden (1-2) 187-230
An economical algorithm for the Lagrangian prediction of particle suspension motion, A.J. Parry, N.H. Woolley and Y.D. Tridimas (3) 363-373

Finite element and matrix methods

- 'Best' transverse shearing and stretching shell theory for nonlinear finite element simulations, W.B. Krätzig (1-2) 135-160

* The issue number is given in front of the page numbers.

- Reduced basis technique for nonlinear vibration analysis of composite panels, A.K. Noor, C.M. Andersen and J.M. Peters (1-2) 175-186
- High-order Taylor-Galerkin and adaptive h - p methods for second-order hyperbolic systems: Application to elastodynamics, A. Safjan and J.T. Oden (1-2) 187-230
- Modeling and computation of shakedown problems for nonlinear hardening materials, E. Stein, G. Zhang and Y. Huang (1-2) 247-272
- Nonlinear thin shell analysis using a curved triangular element, F. van Keulen, A. Bout and L.J. Ernst (1-2) 315-343
- A generalisation of J_2 -flow theory for polar continua, R. de Borst (3) 347-362
- The linear isoparametric triangular element: Theory and application, D. Talaslidis and G.A. Wempner (3) 375-397
- A finite element model for the simulation of the torsion and torsion-tension tests, A. Moal, E. Massoni and J.-L. Chenot (3) 417-434

Fluid mechanics

- An economical algorithm for the Lagrangian prediction of particle suspension motion, A.J. Parry, N.H. Woolley and Y.D. Tridimas (3) 363-373

Fracture mechanics

- Necking in tensile bars with rectangular cross-section, V. Tvergaard (1-2) 273-290
- A generalisation of J_2 -flow theory for polar continua, R. de Borst (3) 347-362

General Rayleigh-Ritz and Galerkin techniques

- High-order Taylor-Galerkin and adaptive h - p methods for second-order hyperbolic systems: Application to elastodynamics, A. Safjan and J.T. Oden (1-2) 187-230

Heat and diffusion

- A finite element model for the simulation of the torsion and torsion-tension tests, A. Moal, E. Massoni and J.-L. Chenot (3) 417-434

Incompressible and near incompressible media

- A finite element model for the simulation of the torsion and torsion-tension tests, A. Moal, E. Massoni and J.-L. Chenot (3) 417-434

Kinematics

- Large rotations revisited, application of Lie algebra, J. Argyris and V.F. Poterasu (1-2) 11- 42

- Kinematic and dynamic analysis of mechanisms with cams, A. Cardona and M. Géradin (1-2) 115-134
- Material physics*
- Necking in tensile bars with rectangular cross-section, V. Tvergaard (1-2) 273-290
Analysis of the inverse Swift effect using a rate-sensitive polycrystal model, E. van der Giessen and K.W. Neale (1-2) 291-313
- Miscellaneous topics*
- The use of computers in the design of discrete component systems, A.L. Schwab and K. van der Werff (1-2) 231-246
- Nonlinear mechanics*
- Large rotations revisited, application of Lie algebra, J. Argyris and V.F. Poterasu (1-2) 11- 42
'Best' transverse shearing and stretching shell theory for nonlinear finite element simulations, W.B. Krätzig (1-2) 135-160
Reduced basis technique for nonlinear vibration analysis of composite panels, A.K. Noor, C.M. Andersen and J.M. Peters (1-2) 175-186
Nonlinear thin shell analysis using a curved triangular element, F. van Keulen, A. Bout and L.J. Ernst (1-2) 315-343
A generalisation of J_2 -flow theory for polar continua, R. de Borst (3) 347-362
- Numerical solution procedures*
- Applications of the singular value decomposition in dynamics, J.P. Meijaard (1-2) 161-173
An economical algorithm for the Lagrangian prediction of particle suspension motion, A.J. Parry, N.H. Woolley and Y.D. Tridimas (3) 363-373
- Optimization*
- Optimization of composite, stiffened, imperfect panels under combined loads for service in the postbuckling regime, D. Bushnell (1-2) 43-114
- Optimization and design of structures*
- Optimization of composite, stiffened, imperfect panels under combined loads for service in the postbuckling regime, D. Bushnell (1-2) 43-114
The use of computers in the design of discrete component systems, A.L. Schwab and K. van der Werff (1-2) 231-246

Plasticity

- Modeling and computation of shakedown problems for nonlinear hardening materials, E. Stein, G. Zhang and Y. Huang (1-2) 247-272
- Necking in tensile bars with rectangular cross-section, V. Tvergaard (1-2) 273-290
- Analysis of the inverse Swift effect using a rate-sensitive polycrystal model, E. van der Giessen and K.W. Neale (1-2) 291-313
- Nonlinear thin shell analysis using a curved triangular element, F. van Keulen, A. Bout and L.J. Ernst (1-2) 315-343
- A generalisation of J_2 -flow theory for polar continua, R. de Borst (3) 347-362
- A finite element model for the simulation of the torsion and torsion-tension tests, A. Moal, E. Massoni and J.-L. Chenot (3) 417-434

Shells and plates

- Optimization of composite, stiffened, imperfect panels under combined loads for service in the postbuckling regime, D. Bushnell (1-2) 43-114
- 'Best' transverse shearing and stretching shell theory for nonlinear finite element simulations, W.B. Krätzig (1-2) 135-160
- Reduced basis technique for nonlinear vibration analysis of composite panels, A.K. Noor, C.M. Andersen and J.M. Peters (1-2) 175-186
- Nonlinear thin shell analysis using a curved triangular element, F. van Keulen, A. Bout and L.J. Ernst (1-2) 315-343
- The linear isoparametric triangular element: Theory and application, D. Talaslidis and G.A. Wempner (3) 375-397

Singularity methods

- Applications of the singular value decomposition in dynamics, J.P. Meijaard (1-2) 161-173

Stability in structural mechanics

- Optimization of composite, stiffened, imperfect panels under combined loads for service in the postbuckling regime, D. Bushnell (1-2) 43-114
- Necking in tensile bars with rectangular cross-section, V. Tvergaard (1-2) 273-290

Thermal effects and thermodynamics

- A finite element model for the simulation of the torsion and torsion-tension tests, A. Moal, E. Massoni and J.-L. Chenot (3) 417-434

Transport phenomena

- An economical algorithm for the Lagrangian prediction of particle suspension motion, A.J. Parry, N.H. Woolley and Y.D. Tridimas (3) 363-373

Viscoelastic and viscoplastic media

- A finite element model for the simulation of the torsion and
torsion-tension tests, A. Moal, E. Massoni and J.-L. Chenot (3) 417-434

Workhardening structures

- Modeling and computation of shakedown problems for nonlinear
hardening materials, E. Stein, G. Zhang and Y. Huang (1-2) 247-272